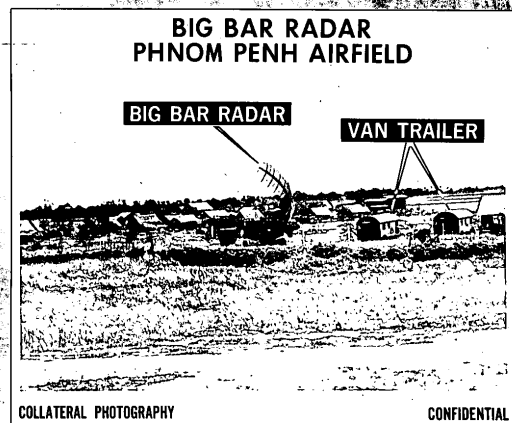
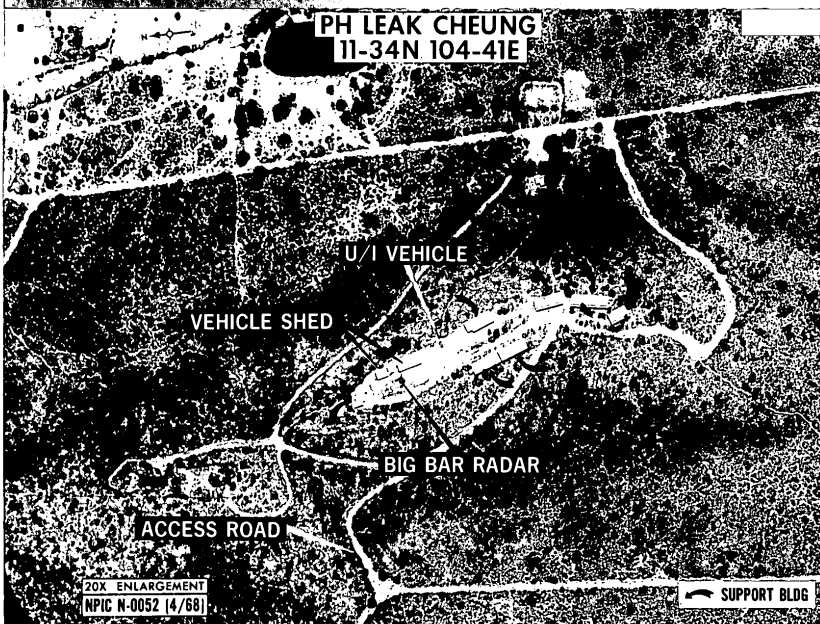
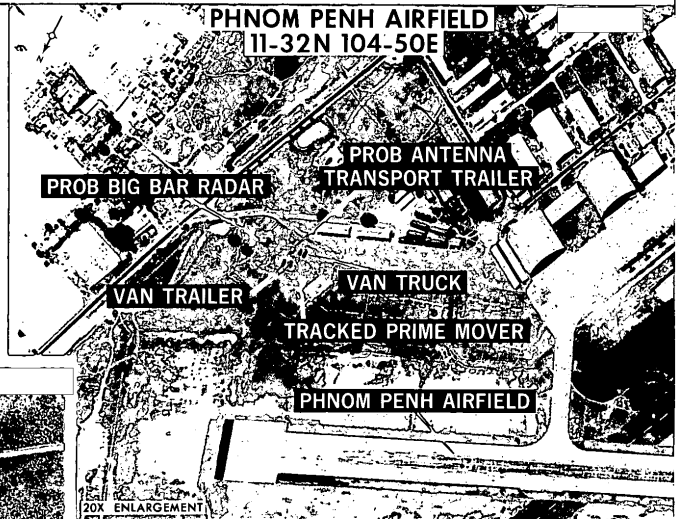
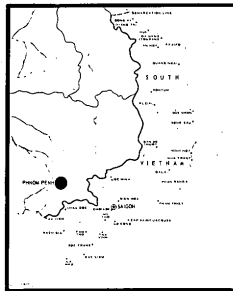


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RADAR SITES PHNOM PENH AREA CAMBODIA



COLLATERAL PHOTOGRAPHY

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RADAR SITES, PHNOM PENH AREA,
CAMBODIA
113415N 1044105E

1. SIGNIFICANCE:

THIS BRIEFING BOARD DEPICTS THE TWO MOST SOPHISTICATED AW/GCI RADARS IN CAMBODIA.

2. LOCATION:

THE PH LEAK CHEUNG RADAR SITE IS LOCATED 10 NM WEST OF PHNOM PENH AIRFIELD. THE SECOND RADAR SITE IS LOCATED AT THE NE END OF PHNOM PENH AIRFIELD.

3. BACKGROUND:

BIG BAR IS A VAN MOUNTED MOBILE RADAR WHICH UTILIZES V-BEAM HEIGHT FINDING METHODS TO PROVIDE A LIMITED GCI CAPABILITY. THE LONG RANGE DETECTION CAPABILITY OF BIG BAR AGAINST LOW ALTITUDE TARGETS IS RATHER POOR EVEN BY EW RADAR STANDARDS. THE V-BEAM METHODS UTILIZED FOR DETERMINING TARGET ALTITUDES ARE LIMITED IN ACCURACY AND ARE NOT SATISFACTORY FOR MANY CURRENT OPERATIONAL SITUATIONS. FOR THIS REASON THESE RADARS ARE OFTEN FOUND COLLOCATED WITH HEIGHT FINDING RADARS SUCH AS STONE CAKE AND ROCK CAKE¹.

¹ PACOM ELINT CENTER, PER-2, ELECTRONIC EQUIPMENT REFERENCE MANUAL, 15 OCTOBER 1967 (SECRET)

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4. MISSION READOUT:

REVEALS THAT THE PH LEAK

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CHEUNG RADAR SITE CONSISTS OF ONE BIG BAR RADAR, TWO VEHICLE SHEDS
(ONE VEHICLE PARTIALLY DISCERNIBLE), SEVEN SUPPORT BUILDINGS AND ONE U/I
TRUCK. THE PHNOM PENH AIRFIELD AW/GCI RADAR SITE CONSISTS OF A PROBABLE
BIG BAR RADAR, TWO VAN TRAILERS, ONE PROBABLE ANTENNA TRANSPORT TRAILER,
AND ONE TRACKED PRIME MOVER. A CABLE RUNS FROM THE RADAR TO A VAN TRUCK.

JOG(A) 1501A NC-48-2

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